IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A method of discovering video devices in a video network, the method comprising:

determining whether a video device in the video network supports a first network protocol;

in response to determining that the video device supports the first network protocol, automatically using the first network protocol to retrieve attributes of the video device from the video device;

in response to determining that the video device does not support the first network protocol, automatically determining whether the video device supports a second network protocol; ~~and~~

in response to determining that the video device supports the second network protocol, automatically using the second network protocol to retrieve the attributes of the video device from the video device;

in response to determining that the video device does not support the second network protocol, automatically determining whether the video device supports one or more other network protocols; and

in response to determining that the video device supports another network protocol, automatically using that supported network protocol to retrieve the attributes of the video device from the video device,wherein

the one or more other network protocols comprise a Telnet protocol; and

the operation of automatically using the supported network protocol to retrieve the attributes of the video device comprises using the Telnet protocol to logon to the device and submit commands to the device; and determining the attributes of the video device by

<u>reference to command responses from the video device</u>.

Claim 2 (Original): The method of claim 1, wherein:

the first network protocol comprises a Simple Network Management Protocol

(SNMP); and

the second network protocol comprises a Hypertext Transfer Protocol (HTTP).

Claim 3 (Canceled).

Claim 4 (Currently Amended): The method of claim [[3]] 1, wherein:

the first network protocol comprises a Simple Network Management Protocol

(SNMP); the second network protocol comprises a Hypertext Transfer Protocol (HTTP); and

the one or more other network protocols comprise a terminal emulation protocol.

Claim 5 (Canceled).

Claim 6 (Original): The method of claim 4, wherein the one or more other network

protocols comprise a VT-100 protocol.

Claim 7 (Original): The method of claim 1, wherein:

the operation of automatically using the first network protocol to retrieve the

attributes of the video device comprises using a Simple Network Management Protocol

(SNMP) to retrieve information from an agent of the video device; and

the operation of automatically using the second network protocol to retrieve the

attributes of the video device comprises:

using a Hypertext Transfer Protocol (HTTP) to retrieve a page from the video device; and

determining the attributes of the video device by reference to the page.

Claim 8 (Original): The method of claim 1, further comprising transmitting a sequence of queries to the video device to identify a messaging technique for obtaining the attributes of the video device, wherein the sequence of queries includes a first query adapted to communicate with equipment from a first vendor and a second query adapted to communicate with equipment from a second vendor.

Claim 9 (Original): The method of claim 1, further comprising, in response to retrieving the attributes of the video device, repeating one or more of the operations for determining a supported network protocol to retrieve attributes of additional video devices.

Claim 10 (Currently Amended): A network management system (NMS) that automatically discovers video devices in a video network, the NMS comprising:

a communications interface in communication with the video devices;

memory that encodes computer instructions; and

a processor in communication with the communications interface and the memory, wherein the computer instructions, when executed by the processor, cause the NMS to perform operations comprising:

determining whether a video device in the video network supports a first network protocol; in response to determining that the video device supports the first network protocol, automatically using the first network protocol to retrieve attributes of the video device from the video device;

in response to determining that the video device does not support the first network protocol, automatically determining whether the video device supports a second network protocol; ~~and~~

in response to determining that the video device supports the second network protocol, automatically using the second network protocol to retrieve the attributes of the video device from the video device;

in response to determining that the video device does not support the second network protocol, automatically determining whether the video device supports one or more other network protocols; and

in response to determining that the video device supports another network protocol, automatically using that supported network protocol to retrieve the attributes of the video device from the video device, wherein

the one or more other network protocols comprise a Telnet protocol; and

the operation of automatically using the supported network protocol to retrieve the attributes of the video device comprises using the Telnet protocol to logon to the device and submit commands to the device; and determining the attributes of the video device by reference to command responses from the video device.

Claim 11 (Original): A video network comprising:

an NMS according to claim 10;

a first endpoint in communication with the NMS, wherein the first endpoint supports the first network protocol and the NMS automatically uses the first network protocol to retrieve device attributes from the first endpoint; and

a second endpoint in communication with the NMS, wherein the second endpoint supports the second network protocol and the NMS automatically uses the second network

protocol to retrieve device attributes from the second endpoint.

Claim 12 (Currently Amended): A program product for discovering video devices in a video network, the program product comprising:

a computer-usable medium; and

computer instructions encoded in the computer-usable medium, wherein the computer instructions, when executed, cause a data processing system to perform operations comprising:

determining whether a video device in a video network supports a first network protocol;

in response to determining that the video device supports the first network protocol, automatically using the first network protocol to retrieve attributes of the video device from the video device;

in response to determining that the video device does not support the first network protocol, automatically determining whether the video device supports a second network protocol; ~~and~~

in response to determining that the video device supports the second network protocol, automatically using the second network protocol to retrieve the attributes of the video device from the video device;

<u>in response to determining that the video device does not support the second network protocol, automatically determining whether the video device supports one or more other network protocols; and</u>

<u>in response to determining that the video device supports another network protocol, automatically using that supported network protocol to retrieve the attributes of the video device from the video device,wherein</u>

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the one or more other network protocols comprise a Telnet protocol; and

the operation of automatically using the supported network protocol to retrieve the attributes of the video device comprises using the Telnet protocol to logon to the device and submit commands to the device; and determining the attributes of the video device by reference to command responses from the video device.

Claim 13 (Original): The program product of claim 12, wherein:

the first network protocol comprises a Simple Network Management Protocol (SNMP); and the second network protocol comprises a Hypertext Transfer Protocol (HTTP).

Claim 14 (Canceled).

Claim 15 (Currently Amended): The program product of claim [[14]] 12, wherein:

the first network protocol comprises a Simple Network Management Protocol (SNMP);

the second network protocol comprises a Hypertext Transfer Protocol (HTTP); and

the one or more other network protocols comprise a terminal emulation protocol.

Claim 16 (Canceled).

Claim 17 (Original): The program product of claim 15, wherein the one or more other network protocols comprise a VT-100 protocol.

Claim 18 (Original): The program product of claim 12, wherein:

the operation of automatically using the first network protocol to retrieve the attributes of the video device comprises using a Simple Network Management Protocol (SNMP) to retrieve information from an agent of the video device; and

the operation of automatically using the second network protocol to retrieve the attributes of the video device comprises:

using a Hypertext Transfer Protocol (HTTP) to retrieve a page from the video device; and

determining the attributes of the video device by reference to the page.

Claim 19 (Original): The program product of claim 12, wherein the computer instructions cause the data processing system to perform further operations comprising:

transmitting a sequence of queries to the video device to identify a messaging technique for obtaining the attributes of the video device, wherein the sequence of queries includes a first query adapted to communicate with equipment from a first vendor and a second query adapted to communicate with equipment from a second vendor.

Claim 20 (Original): The program product of claim 12, wherein the computer instructions cause the data processing system to perform further operations comprising:

in response to retrieving the attributes of the video device, repeating one or more of the operations for determining a supported network protocol to retrieve attributes of additional video devices.